



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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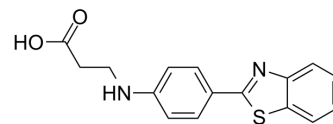
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PM-1

Cat. No.: HY-156404
CAS No.: 1449483-78-6
Molecular Formula: C₁₆H₁₄N₂O₂S
Molecular Weight: 298.36
Target: Fluorescent Dye
Pathway: Others
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (335.17 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.3517 mL	16.7583 mL	33.5166 mL
	5 mM		0.6703 mL	3.3517 mL	6.7033 mL
	10 mM		0.3352 mL	1.6758 mL	3.3517 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PM-1, a derivative of Thioflavin-T (ThT; HY-D0218), is a small but highly specific plasma membrane (PM) fluorescent dye for specific and long-time membrane imaging of living and fixed cells. PM-1 is embedded directly into the cell membrane and exhibits a very long retention time on the plasma membrane with a half-life of approximately 15 h. PM-1 can be used in combination with protein labeling probes to study ectodomain shedding and endocytosis processes of cell surface proteins [1].

REFERENCES

[1]. Shun-Qiang Xu, et al. Small Plasma Membrane-Targeted Fluorescent Dye for Long-Time Imaging and Protein Degradation Analyses. *Anal Chem.* 2023 Oct 24;95(42):15549-15555.

Caution: Product has not been fully validated for medical applications. For research use only.

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